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(71) Applicant (for all designated States except US): **PRINT-
ABLE FIELD EMITTERS LIMITED** [GB/GB]; Atlas
Centre, Rutherford Appleton Laboratory, Chilton, Didcot,
Oxfordshire OX11 0QX (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WAITE, Michael,
Stuart** [GB/GB]; 87 Ashley Road, Altrincham, Cheshire
WA14 2LX (GB). **BURDEN, Adrian, Paul** [GB/SG];
370B Alexandra Road, 01-09 The Anchorage, 159958
Singapore (SG). **LEE, Warren** [GB/GB]; 48 Lowfield

Road, Caversham, Reading, Berkshire RG4 6PB (GB).
TUCK, Richard, Allan [GB/GB]; 34 Park Lane, Slough,
Berkshire SL3 7PF (GB).

(74) Agent: **STANLEY, David**; Kings Court, 12 King Street,
Leeds LS1 2HL (GB).

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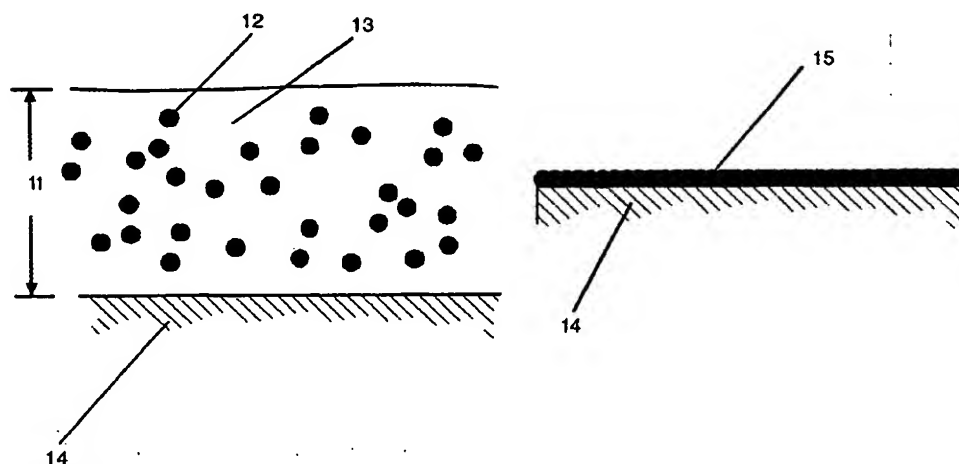
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(54) Title: CREATING LAYERS IN THIN-FILM STRUCTURES



(57) Abstract: A layer of a material is created in a thin-film structure by coating a substrate (14) in one pass with an ink having a major, fugitive component (12) and at least one minor, non-fugitive component (13) and treating the ink to expel the major component (13) to leave the layer (15) of material. The layer (15) may be an electrically insulating layer having a thickness in the range 0.5 to 10 micrometres, with the ink containing non-fugitive colloidal ceramic nanoparticles having a size in the range 10 to 100 nanometres. The layer (15) may be a process control layer, such as an etch stop layer or barrier layer. The layer (15) may be an optically emissive layer or a layer of predetermined electrical conductivity.

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